Electromyography of the sphincter of Oddi and gastrointestinal tract : experimental studies in the Opossum

STELLINGEN

1. The sphincter of Oddi of the opossum propels biliopancreatic secretion into the duodenum.

2. Administration of alcohol into the upper gastrointestinal tract causes intense spike activity of the sphincter of Oddi.

3. The motility of the gastrointestinal tract is normal within 24 hours following most abdominal operations.

4. The increase in the velocity of propagation of the phase III of the migrating myoelectric complex during infusion of serotonin and 16,16 dimethyl prostaglandin E_2 may contribute for the diarrhea observed during administration of these two substances.

5. Cholecystokinin increases the motility of the sphincter of Oddi in the opossum.

6. Although the motility of the sphincter of Oddi is different from that of the duodenum, the frequency of spike potentials in the sphincter of Oddi correlates with the migrating myoelectric complex phases in the duodenum.

7. Real-time ultrasonography is superior to arteriography in detecting arterial defects at operation.

8. Endocrine tumors are less echogenic than the normal pancreatic tissue and therefore are usually very easy recognized by operative ultrasonography.

9. Operative ultrasonography is very helpful to localize small kidney stones.

10. The incidence of common bile duct stones is the same in patients with acute or chronic cholecystitis.

11. Tension subcutaneous emphysema needs decompression in patients with intracranial hypertension.

12. 5 minute hand scrub is superior to 10 minute hand scrub.

13. Gastric banding for the management of morbid obesity is associated with high incidence of complications and probably should be abandoned.

14. Taxpayers, purchasers of insurance, and payers of fees want a pared-down economy model until we are sick.

Stellingen behorende bij het proefschrift "Electromyography of the sphincter of Oddi and gastrointestinal tract. Experimental studies in the Opossum".

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